

## ABSTRACT OF THE DISCLOSURE

A method, computer readable medium having computer executable instructions, and a computer readable medium having stored thereon a data structure for signing and validating Session Initiation Protocol (“SIP”) routing headers are disclosed. A SIP node may  
5 receive a SIP request including a message header. A signature based upon at least a portion of the message header and a SIP node header entry may be generated. The signature may then be inserted into the SIP node header entry.